

### ABSTRACT OF THE DISCLOSURE

An image processing apparatus for generating scaled image data includes a receiver that receives an input of pixel value information of each pixel which is contained in image data to be processed in raster scan order, a first memory that stores the pixel value information input in the raster scan order, a destination address generator that generates destination address information in the second memory to specify a destination location of the pixel value information stored in the first memory in response to the specified scaling factor, and a transferring unit that transfers the pixel value information from the first memory to the second memory based on the generated destination address information.

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